CLAIMS

1. Coupling device between a chromatograph (1) and a mass spectrometer (8), comprising a closed interface between a final detector (5) of the chromatograph and the spectrometer, the interface comprising a tube (6) coming out of the chromatograph into which a capillary tube (7) leading to the spectrometer is pushed, and a temperature adjustment means (14, 15), characterised in that it comprises a pressure sensor (18) in the tube coming out of the chromatograph, through which a control module (12) controlling the temperature adjustment means receives data.

2. Coupling device between a chromatograph (1) and a mass spectrometer (8), comprising an open interface between a final detector (5) of the chromatograph and the spectrometer, the interface comprising a tube (6) coming out of the chromatograph into which a capillary tube (7) leading to the spectrometer is pushed, and a temperature adjustment means (14, 15), characterised in that it comprises a flow sensor or a leak detector (10) through the tube coming out of the chromatograph, through which a control module (12) controlling the temperature adjustment means receives data.

3. Coupling device between a chromatograph (1) and a mass spectrometer (8), comprising an open interface between a final detector (5) of the chromatograph and the spectrometer, the interface comprising a tube (6) coming out of the chromatograph into which a capillary

tube (7) leading to the spectrometer is pushed, and a temperature adjustment means (14, 15), characterised in that it comprises a pressure sensor (16) in a chamber of the mass spectrometer, through which a control module (12) controlling the temperature adjustment means receives data.

4. Analysis device comprising a micro-chromatograph and a mass spectrometer, the output from the micro-chromatograph being connected to the input to the mass spectrometer through an automated coupling device according to any one of claims 1 to 3.

5. Analysis device according to claim 4, also provided with a pre-concentration device, for example the Airsense ® "µTD" pre-concentrator, on the input side of the micro-chromatograph based on adsorption followed by a thermal desorption.